

The Crate Sum consists of 7 modules:
 VME_Interface, Control, P3, P3_Latch, SUM, DAQ, and FP.

VME_Interface: Where the VME interfacing is performed. Identical to that of PreFRED.

Control: Where the CS board handling occurs. It interfaces with the VME section and is similar to the Control module of DIRAC.

P3: Reads in the ET and trigger information from DIRAC.

P3_Latch: Latches the raw DIRAC ET and trigger data from the P3 module.

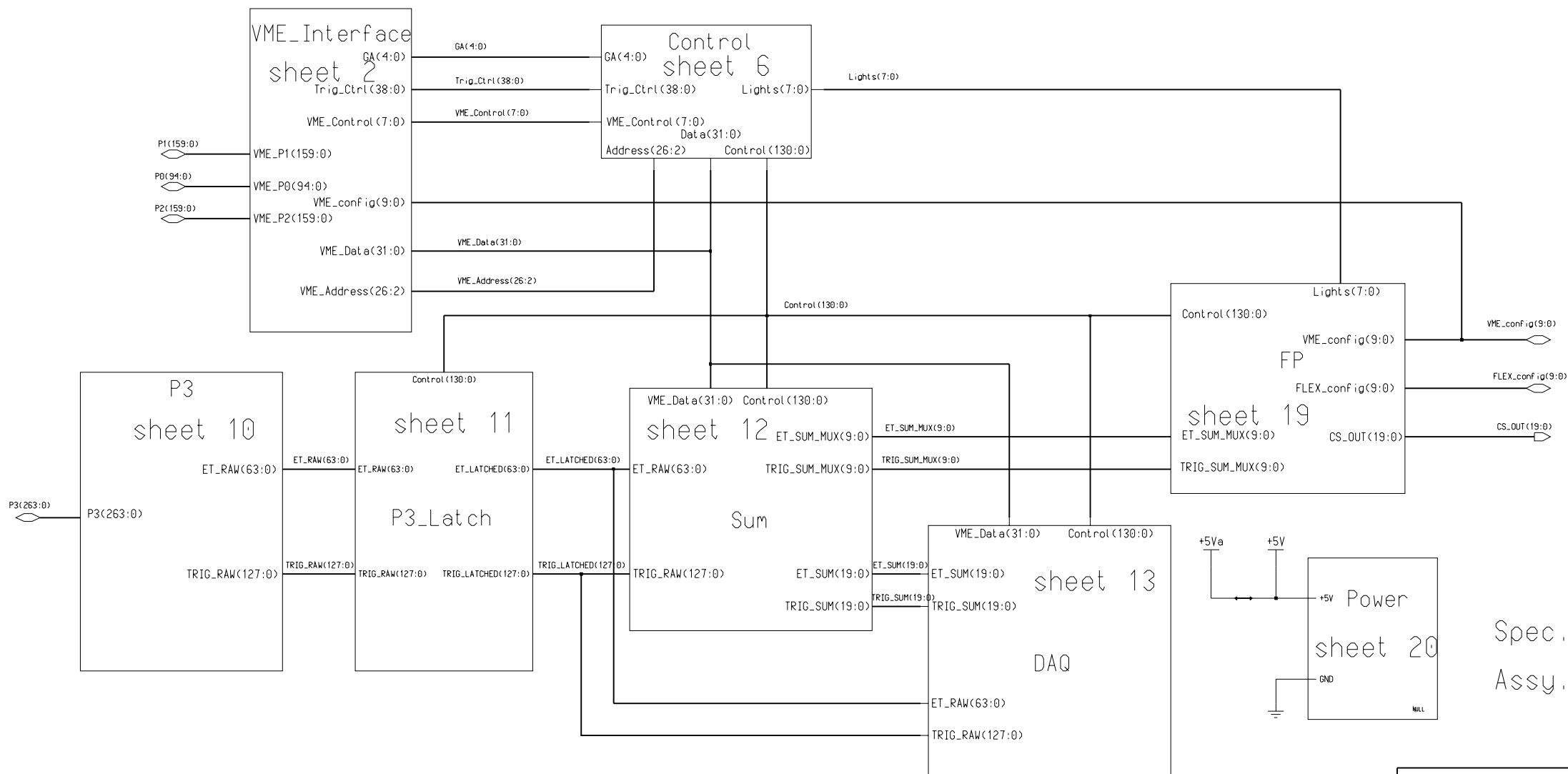
SUM: Consists of a single Altera FLEX 10K70 PLD.

Performs the ET and trigger bit summing

and passes out the summed energy and trigger data to the Front Panel and to the DAQ module.

DAQ: Stores the raw ET and trigger data from DIRAC as well as the summed ET and trigger information from the Sum module.

FP: Front Panel section. Controls diagnostic lights and outputs results to PreFRED.



Spec. B.2330

Assy. C.2331

UNIVERSITY OF CHICAGO
 ELECTRONICS DEVELOPMENT GROUP

TITLE

Crate Sum

DATE	REVISION DESCRIPTION
9 July 98	Added P3_Latch.

SHEET 1 OF 20
 DATE 3 July 98
 DRWN Nancy J. Lai

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 REV A